U.S. Marine Corps Logistics Modernization

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Agenda

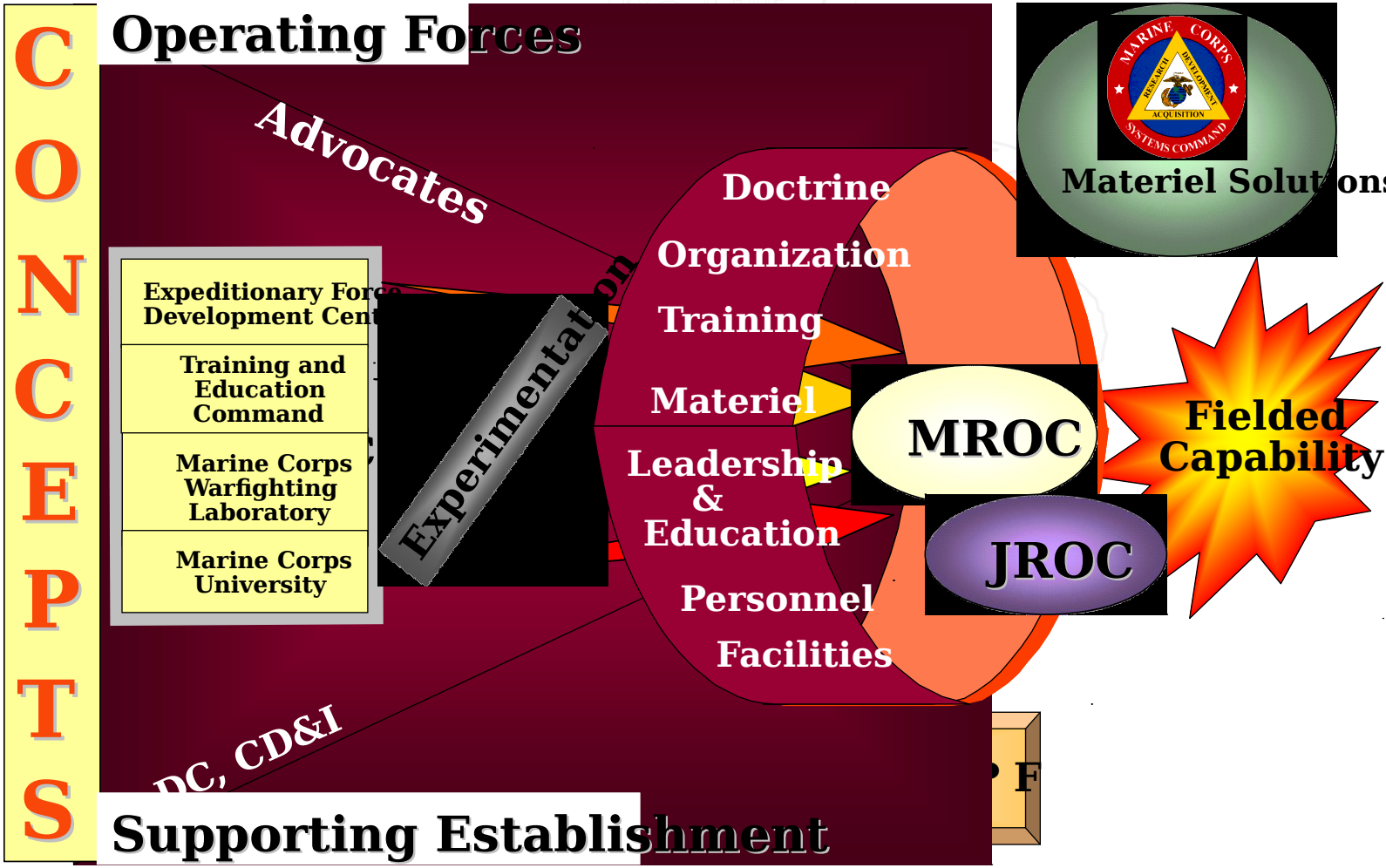
- Logistics Modernization Overview
- Logistics Modernization Initiatives
  - Logistics Operational Architecture
  - MLG Reorganization
  - Logistics Command & Control
  - Realignment of Maintenance
  - Realignment of Supply
  - MAGTF Distribution

Logistics Modernization… Overview

- **Logistics Modernization (Log Mod) – the largest coordinated and cross-organizational transformation effort ever undertaken to transform USMC logistics**
  - **A three pronged improvement and implementation initiative that focuses on Marine Corps people, process, and technology dimensions**

"We cannot improve the combat effectiveness of the MAGTF without logistics modernization." - CMC

Log Mod and the EFDS



Expeditionary Force Development System TTF

- Phase I: Force Capability Development
  - DC I&L established the Transition Task Force (TTF) (Jul 05)
  - TTF develop UNS for each Log Mod initiative (Feb 05)
- Phase II: Requirements Development
  - UNS submitted to MCCDC/EFDC (Feb 05)
  - Log Mod and Log Mod Initiatives briefed to DWG (Mar 05)
  - LMDAG established to assess DOTMLPF impact (Apr 05)
    - LMDAG generated taskings that form Log Mod COA and POA&M
  - Results captured in Solution Initiating Directive (SID) (Jul 05)
  - SID forms basis for Solution Planning Directive (SPD) (Jan 06)
- Phase III: Prioritization and Resourcing
  - Prioritize rqmnts for Log Mod & facilitate fielding of GCSS-MC BLK 1
- Phase IV: Capability Fielding and Transition
  - Execute and manage Log Mod taskings established by SPD (Jan 06-2010

Logistics Modernization… Initiatives

- **DOTMLPF Change to our People …**
  - ***Marine Logistics Group Reorganization***
  - **Personnel/Military Occupational Specialty Construct**
  - **Investment in Logistics Training**

- **DOTMLPF Change to our Process …**
  - ***Logistics Operational Architecture***
  - ***Realignment of Supply***
  - ***Realignment of Maintenance***
  - ***MAGTF Distribution***

- **DOTMLPF Change to our Technology …**
  - **Modernized and integrated Information technology**
    - *GCSS-MC* (Log Chain Mgmt/LCM)
    - Log/MAGTF C2
  - **Deployed/Bridge Solutions**
    - UID/RFID - BCS3 – W2W – TCPT - CLC2S
  - ***MAGTF C2/Logistics C2*** **… Common Operating Picture and Integration**

Six Major Log OA Functions

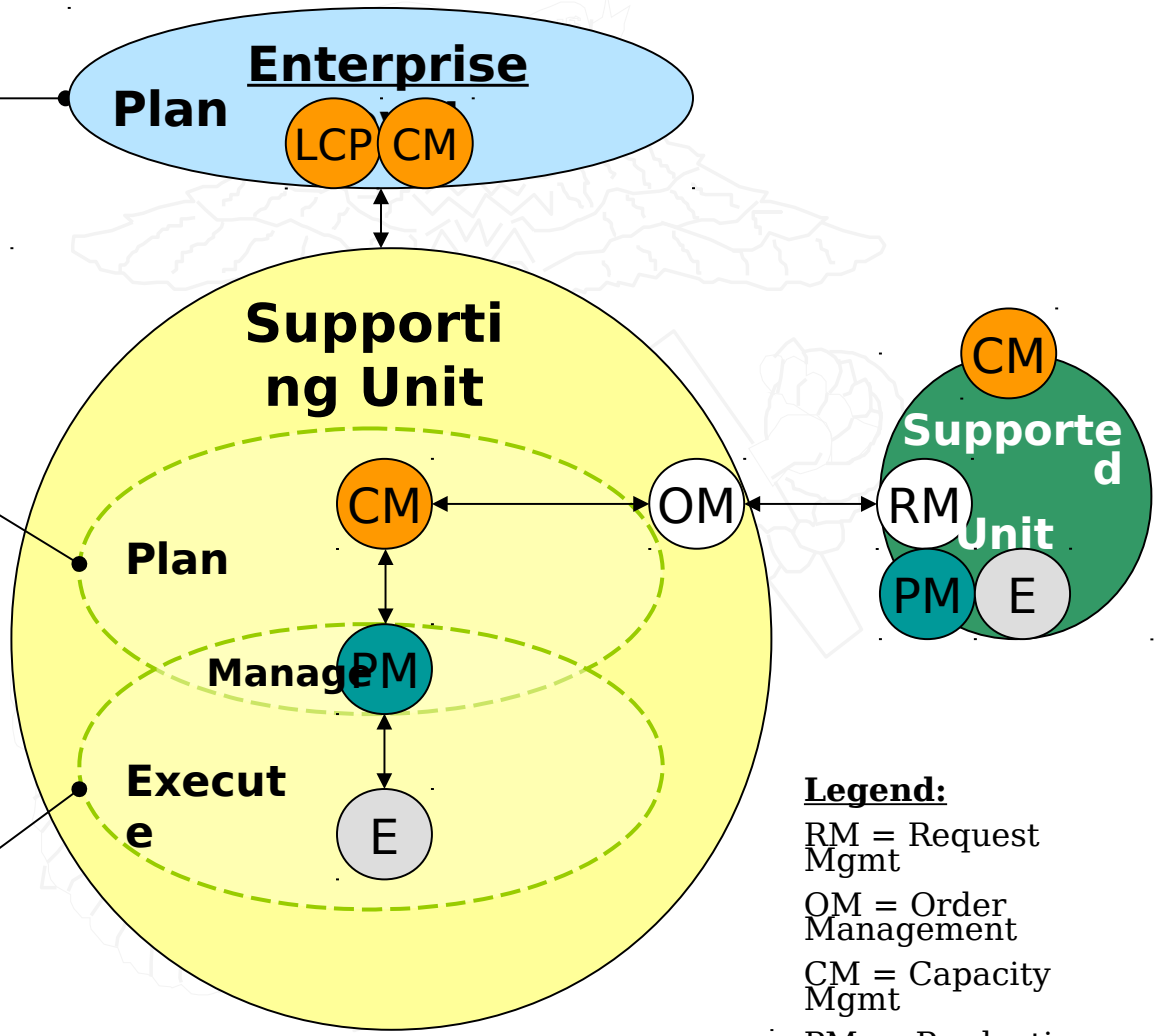
- **RM** — **Request Management**: Function of generating and approving supported unit demands.
- **OM** — **Order Management**: Function of routing, coordinating, tasking, and tracking customer orders through to fulfillment.
- **CM** — **Capacity Management**: Function of managing, optimizing, prioritizing, and planning resources and capacity to fulfill supported unit demands. Aligns “capability” with demands.
- **PM** — **Production Management**: Function of coordinating, planning, tasking, and controlling how customer demands are fulfilled. Assigns specific resources to CSS tasks.
- **E** — **Execution**: Function of executing CSS tasks to fulfill customer demands.
- **LCP** — **Logistics Chain Planning**: The function of planning and managing the logistics chain and aligning enterprise capacity.

Logistics Operational Architecture

Planning and designing logistics chains to fulfill demands.

Planning and allocating capacity to fulfill customer orders.

Assigning specific resources to customer orders and actual tasks associated with fulfillment.



Legend:

RM = Request Mgmt

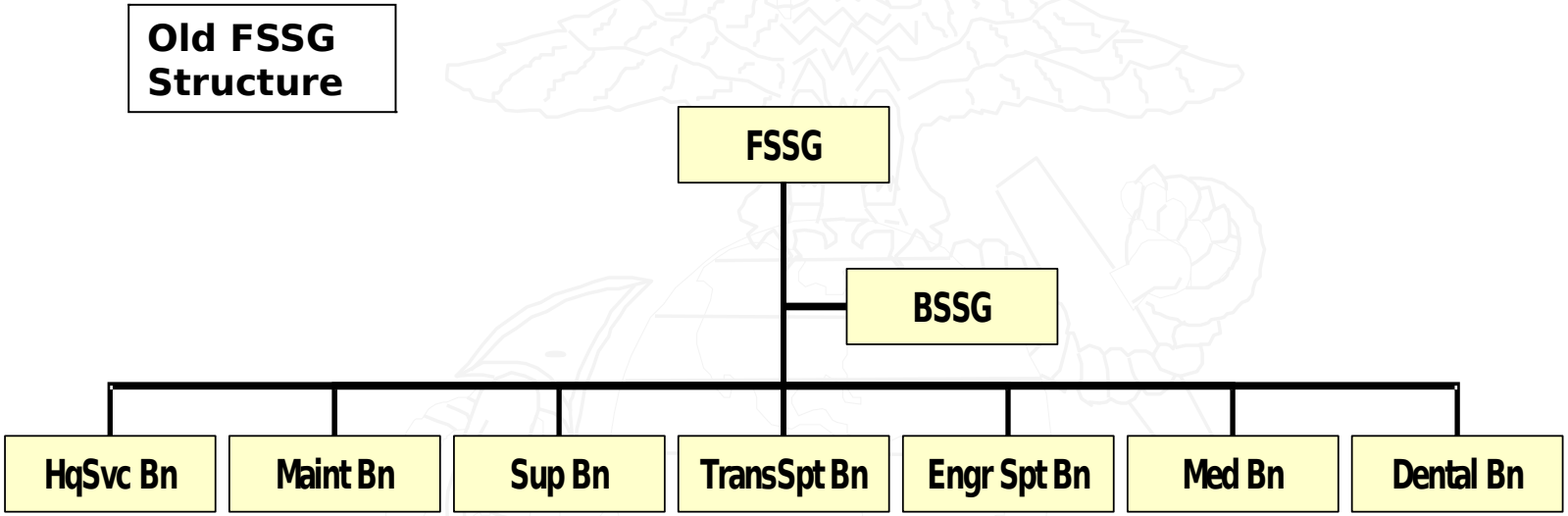
OM = Order Management

CM = Capacity Mgmt

PM = Production Mgmt

E = Execution

LCE Realignment
FSSG to MLG



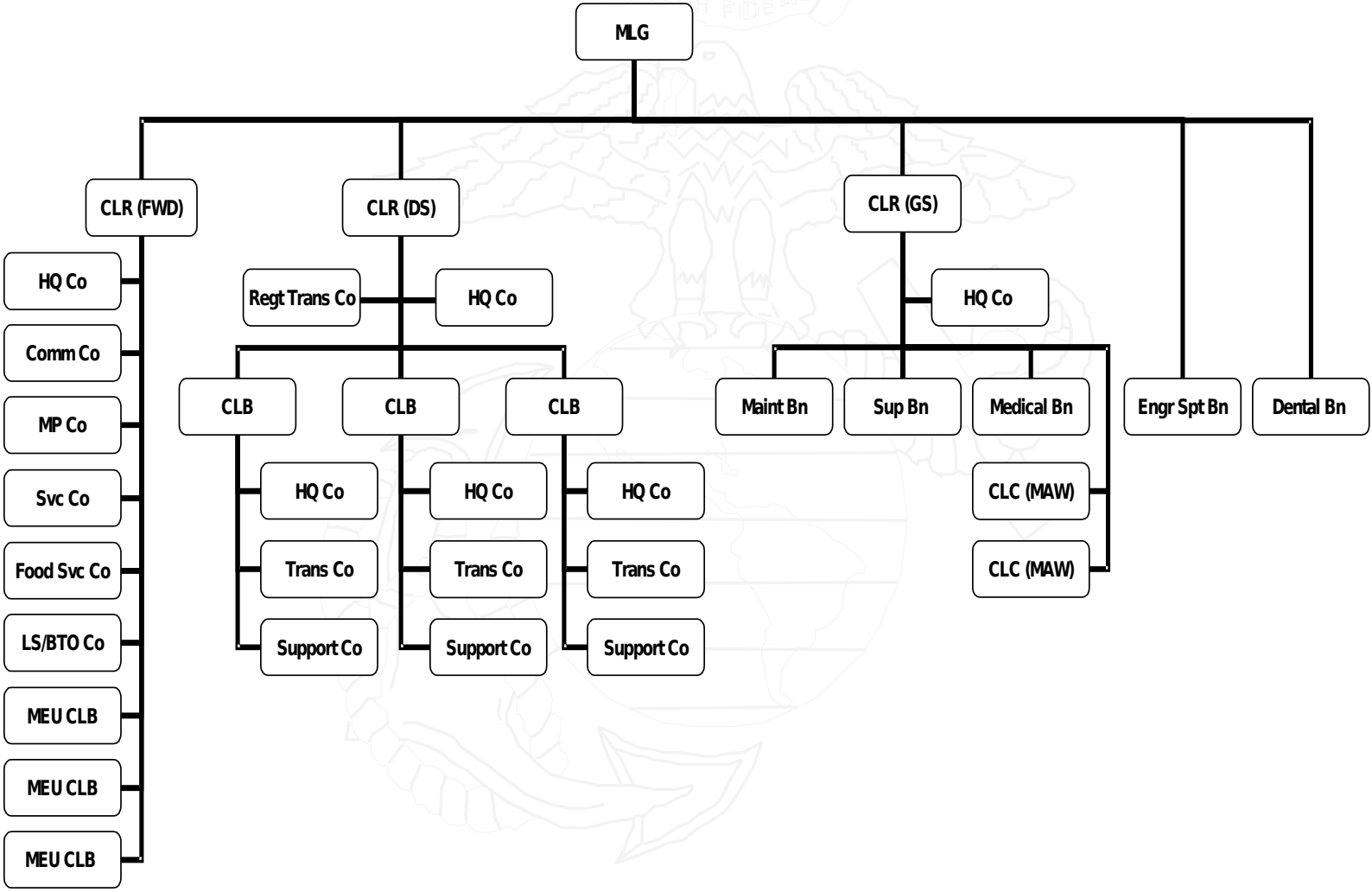
MLG Mission & Capabilities

The Marine Logistics Group (MLG) will train, rapidly task organize, deploy, employ, fight and redeploy in order to provide GS and DS logistics combat support to all elements of the Marine Expeditionary Force (MEF) and smaller Marine Air Ground Task Forces, that may be geographically separated, in peacetime as well as wartime, in any environment and across the spectrum of conflict in order to preserve and increase the MEF's combat power.

- **MLG Basic Capabilities:**
  - Provide comprehensive capabilities of current FSSG
  - Provide logistics support capability to the MEF
  - Provide standing multi-functional DS and standing GS functional CSS units to the MEF
  - Capable of rapid and seamless task organizing & deployment

Logistics Modernization

LCE Realignment
FSSG to MLG



Logistics Command & Control

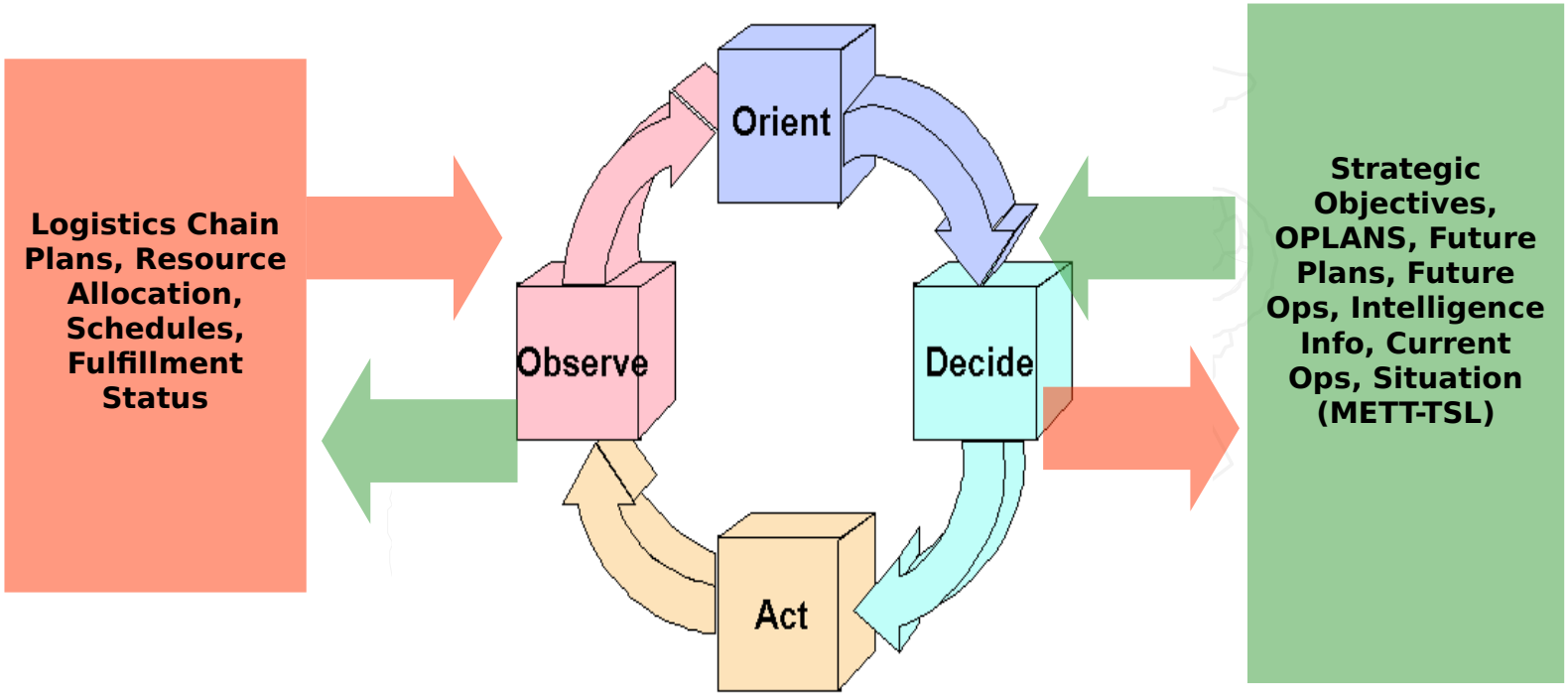
Logistics Decision Support Requirements

Logistics Communications Infrastructure

- **Personnel**
- **Equipment**

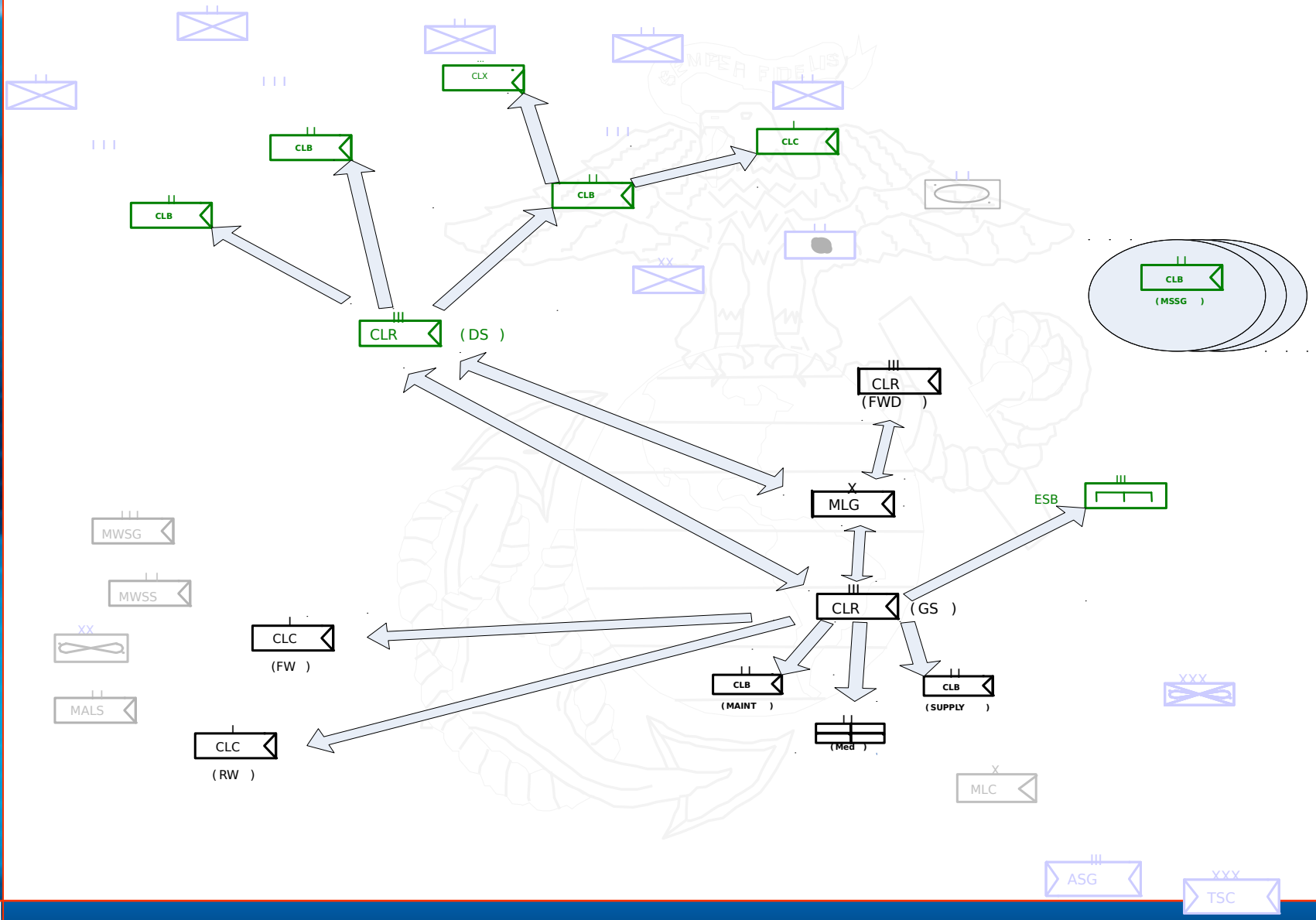
C2 DECISION LOOP

(Situational and Sustainment Framework)


Logistics Chain Plans, Resource Allocation, Schedules, Fulfillment Status
Orient
Observe
Decide
Act
Strategic Objectives, OPLANS, Future Plans, Future Ops, Intelligence Info, Current Ops, Situation (METT-TSL)

MLG Nodal Laydown

Logistics Modernization

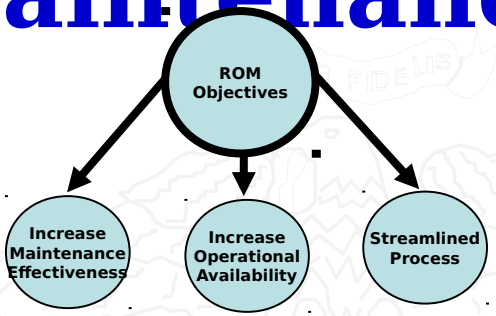


Material Readiness Process Improvement

Material Readiness Process Improvement

- **Realignment of Maintenance (ROM)**
- **Realignment of Supply (ROS)**
- **MAGTF Distribution**

Realignment of Maintenance



LEVELS OF MAINTENANCE

Operator / Crew	Field	Sustainment
1+	2, 3 & 4 (-)	4(-) & 5

Echelons of maintenance

Majority of 2d EOM tasks	4th EOM Rebuild tasks

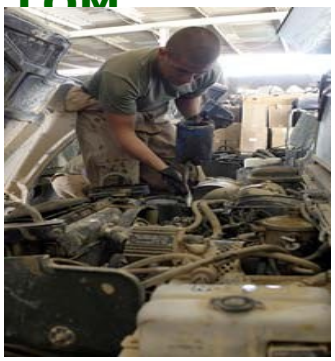
•Sustain MC •Operator focused •1st "on steroids" •Limited diagnostics	•Return to MC •Fix forward •Tech / mech •Not just CSSE •Multi-functional	•Sustain through LC •Title 10 Compliant •Flexible & Scaleable •Other sources

S M & R CODES

C	O & F	H, K, & D

Realignment of Maintenance

OPERATOR / CREW LOM



- Minimal Tools
- No Special Equipment
- On-Hand Inventory
- No Special Skills Training To Diagnose or Perform
- Able to Perform On Battlefield

FIELD LOM

3 Le[illegible]enance

- Minimal Tools and Special Equipment
- Inventory Available W/I Time
- May Require Special Skills Training to Diagnose and Perform
- Must be Able to Perform On Battlefield

SUSTAINMENT LOM

- Special Tools, Equipment, Skills Training Most Likely Required
- Inventory Available W/I Time
- May Need To be Performed In Theater

Realignment of Maintenance

Update / Way Ahead

MCO 4790.1C – Maintenance Policy

- **MCO 5215.1J – “the what”**
- **Marine Corps Maintenance Policy (MCMP)**
- **USMC Ground Maintenance Policy to support MAGTF Ops**
- **Crosses all phases of TLCM**
- **Draft in staffing via MCATS**

NAVMC (supports MCO 4790.1C)

- **MCO 5215.1J – “the how”**
- **Ground Maintenance Management Execution**

Policy -> Doctrine -> Continual DOTMLPF Assessment

Requirements / Acquisitions / Legacy

Realignment of Maintenance

Update / Way Ahead

SM&R Code Change

- Acquisitions
- DoD Joint Policy
- Identifies authorized Levels Of Maintenance

4th EOM Migration

- Directs maintenance tasks to Field or Sustainment LOM
- Initial development of PBA
  - Between LOGCOM and MARFORs
- Initial phase for SECREP Management

Centralized SECREP Management Policy

- LOGCOM Lead Developer
- Finalize PBA
- Policy – MCO / NAVMC

Realignment of Maintenance

Update / Way Ahead

Continuing OPFOR Supporting Efforts

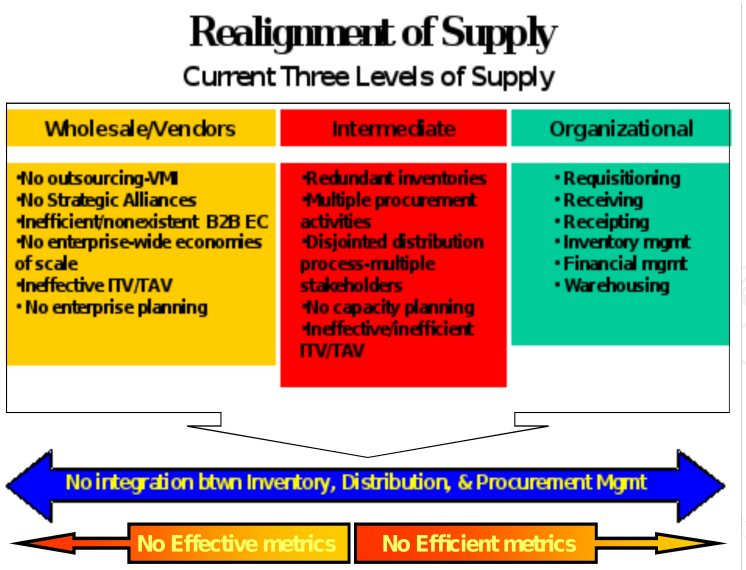
Field Maintenance Capability Alignment (FMCA) : Confirm / Concur

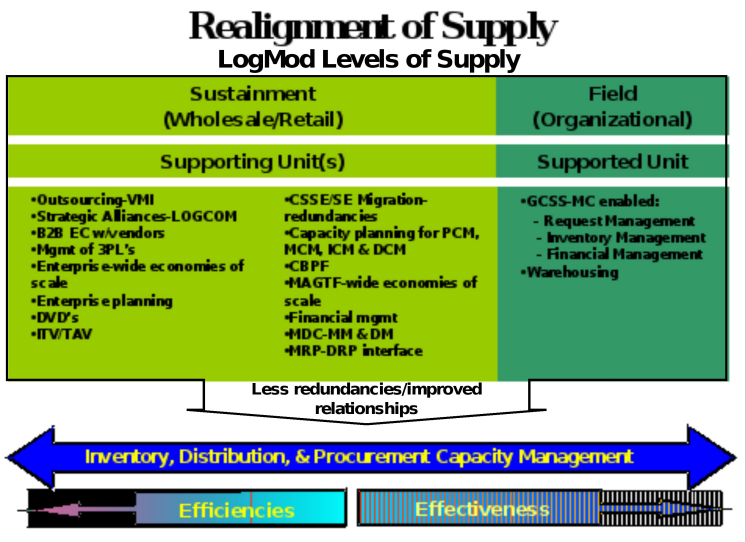
- **Realigning Maintenance Capability To More Effectively Support MAGTF Ops**
  - **Phase I - Unique Ord TAMS – NLT 31 May**
  - **Phase II - Low Density MOS & Equipment – NLT 31 Aug**
  - **Phase III - Remaining Equipment – NLT 30 Nov**

Task To TAMCN (T2T): Confirm / Concur

- **Field Level Maintenance Task That May Migrate To Operator/Crew Level**
  - **Part 1 - No Add Tools/TRNG – NLT 31 May**
  - **Part 2 - Minimum Tools/TRNG – TBD**

Realignment of Supply





Realignment of Supply

- **The design of the RoS initiative is to be accomplished in *two phases*:**

- **<u>Phase I</u> - focus on supported unit functions to realign capabilities across the Organizational level (O-level) and Intermediate level (I-level) of the MAGTF.**

- **<u>Phase II</u> – focus on establishing inventory segmentation strategies at the Retail and Wholesale levels of the logistics chain -- includes realigning I-level supply functions to eliminate redundancies and outsource certain activities to third party logistics providers (3PL) to include the Supporting Establishment (SE), DLA, and integration with Naval Logistics.**

Automate / Migrate / Eliminate

OCCFLD 3000 TASK ANALYSIS

ITS NO.	FUNCTION/TASK	RANK					LEVEL OF SUPPLY			LEGACY SYSTEM FUNCTION	PROCESS	POLICY	OTHER	GCSS-MC?
	TOTALS		508	0	0	0	0	0	0	0	0	0	0	0
	MISCELLANEOUS & ADMINISTRATIVE FUNCTIONS													
3002.08.06	ANALYZE BALANCE ANALYSIS REPORT	2NDLT	1											
3010.05.02	ANALYZE BALANCE ANALYSIS REPORT (BAR)	WO	1											
3002.08.13	ANALYZE THE UNIT PERFORMANCE REPORT (UPR)	2NDLT	1											
3010.01.08	CONDUCT SUPPLY SUPPORT OPERATIONS FOR A COMBAT SERVICE SUPPORT ELEMENT	WO	1											
3043.02.02	EVALUATE EFFICIENCY OF SUPPLY OPERATION	SSGT	1											
3010.01.09	EXECUTE AUTOMATED INFORMATION FUNCTIONS	WO	1											
3002.08.07	INFORM COMMANDING OFFICER OF STATUS OF SUPPLY OPERATION	2NDLT	1											
3010.05.03	INFORM COMMANDING OFFICER OF STATUS OF SUPPLY OPERATION	WO	1											
3002.08.10	MAINTAIN AUTOMATED SUPPLY SYSTEM/MAINFRAME FILES	2NDLT	1											
3010.05.05	MAINTAIN AUTOMATED SUPPLY SYSTEM/MAINFRAME FILES	WO	1											
3043.01.05	MAINTAIN CERTIFICATE OF RELIEF	SSGT	1											
3002.08.01	MAINTAIN COMMANDING OFFICER CERTIFICATE OF RELIEF	2NDLT	1											
3043.01.08	MAINTAIN CURRENT AUTHORIZATION FILE OF PERSONNEL AUTHORIZED TO RECEIPT/TURN IN MATERIAL	CPL	1											
3002.08.03	MAINTAIN LETTERS OF APPOINTMENT AND REVOCATION	2NDLT	1											

Realignment of Supply

Update / Way Ahead

Phase I - Organizational to Intermediate – Apr / May

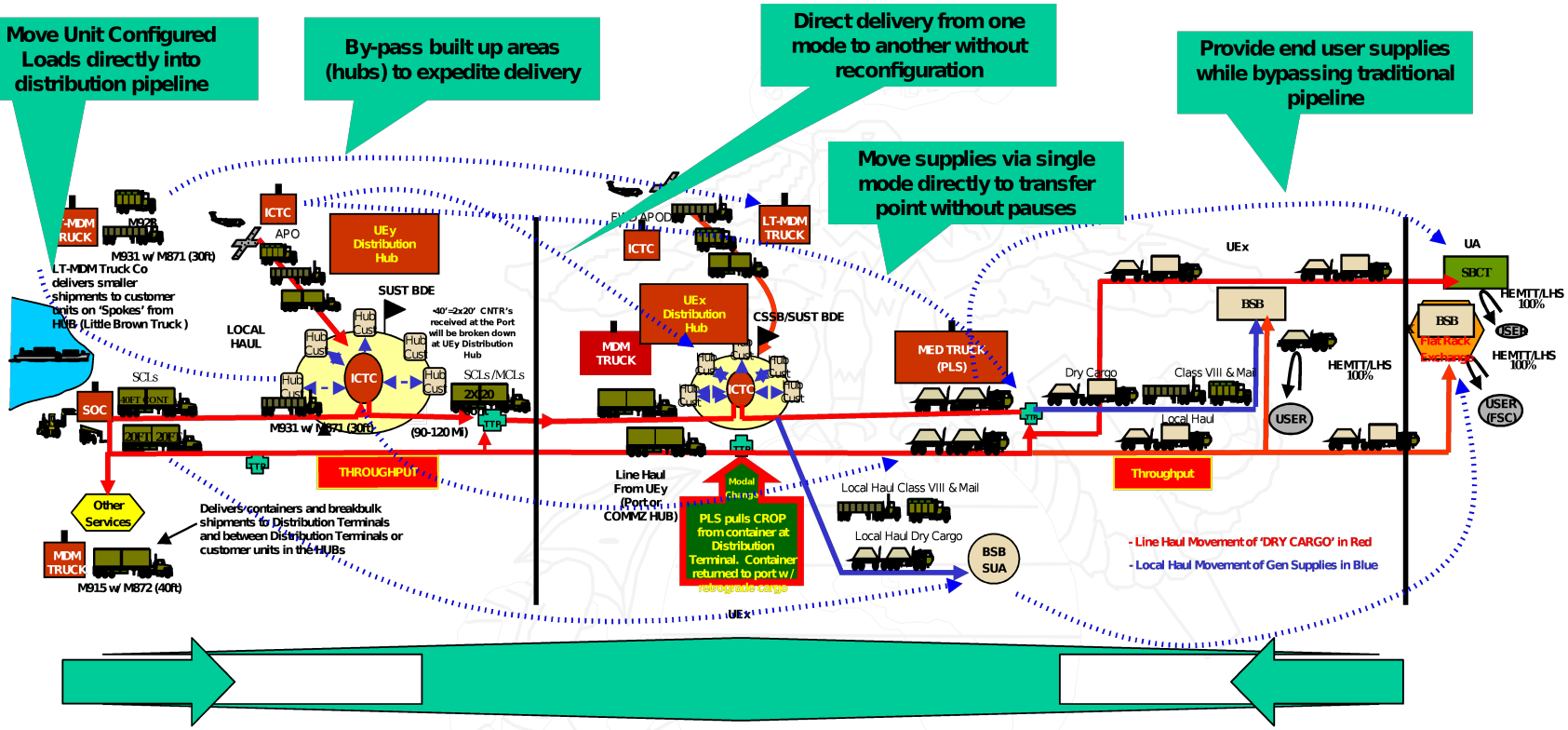
- RoS Process Action Team
  - Assess supported unit supply functions/activities
    - All phases of deployment
    - All classes / types of supply
  - Confirm / Concur ROS PAT Results
  - Establish Supply Policy
  - Continual DOTMLPF Assessment

Phase II - Intermediate to other sources – TBD

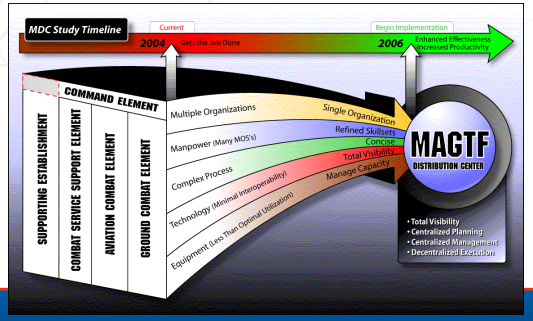
- Leverage current inventory management strategies
  - National Inventory Management Strategy (NIMS)
  - Ground Equipment Storage Program (GESP)
  - Strategic Logistics Asset Management (SLAM)
  - Consolidated Issue Facilities (CIFs)
  - Third Party Logistics Providers (3PL)

Logistics Modernization

MAGTF Distribution


Move Unit Configured Loads directly into distribution pipeline
By-pass built up areas (hubs) to expedite delivery
Direct delivery from one mode to another without reconfiguration
Move supplies via single mode directly to transfer point without pauses
Provide end user supplies while bypassing traditional pipeline
LT-MDM Truck Co delivers smaller shipments to customer units on 'Spokes' from HUB (Little Brown Truck)
M931 w/ M871 (30ft)
M915 w/ M872 (40ft)
ICTC
APO
UEy Distribution Hub
SUST BDE
LOCAL HAUL
SCLs
SOC
THROUGHPUT
(90-120 MI)
Other Services
Delivers containers and breakbulk shipments to Distribution Terminals and between Distribution Terminals or customer units in the HUBs
'40'=2x20' CNTR's received at the Port will be broken down at UEy Distribution Hub
SCLs/MCLs
LT-MDM TRUCK
MDM TRUCK
UEx Distribution Hub
CSSB/SUST BDE
Line Haul From UEy (Port or COMMZ HUB)
PLS pulls CROP from container at Distribution Terminal. Container returned to port w/ retrograde cargo
MED TRUCK (PLS)
Local Haul Class VIII & Mail
Local Haul Dry Cargo
BSB SUA
UEx
UA
SBCT
BSB
Flat Rack Exchange
HEMTT/LHS 100%
USER (FSC)
USER
Dry Cargo
Class VIII & Mail
Local Haul
Throughput
- Line Haul Movement of 'DRY CARGO' in Red
- Local Haul Movement of Gen Supplies in Blue

(Class: L I, II, III (P), IV, VI, VII, VIII, IX, MAIL, AND PACKAGED WATER)



MAGTF Distribution

Update / Way Ahead

Distribution: Capacity – Control – Certainty

- **MAGTF Distribution Center / Material Distribution Company**
- **MAGTF Distribution Integrator**
- **In Transit Visibility / Total Asset Visibility**

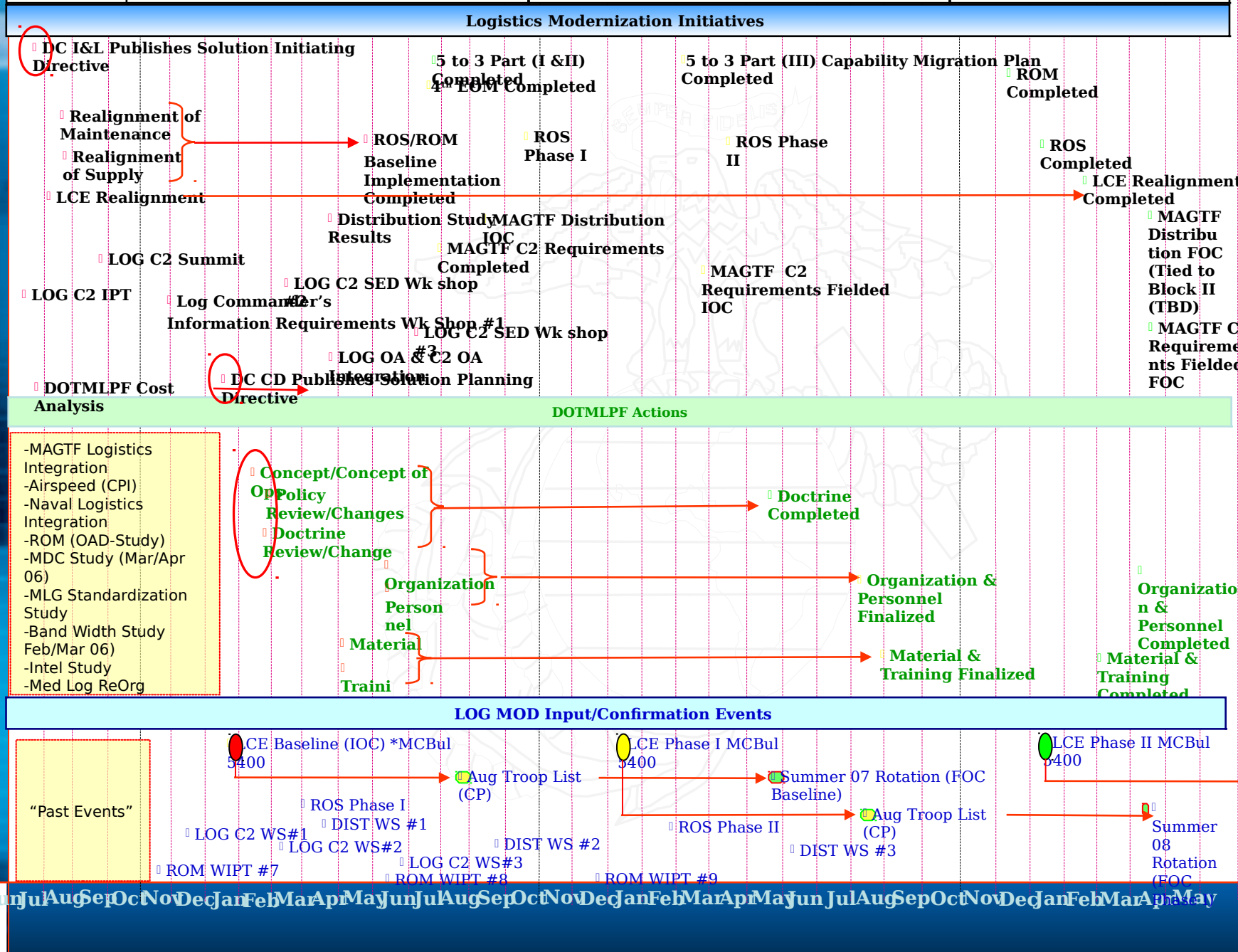
MAGTF Distribution Center Study - Complete

MAGTF Distribution WIPT – May/June 2006

Logistics Modernization Execution Plan FY 2005 - FY 2008

Logistics Modernization

FY 2005	FY 2006 Execution	FY 2007 Execution	FY 2008 Execution


Logistics Modernization Initiatives
DC I&L Publishes Solution Initiating Directive
5 to 3 Part (I &II) Completed
4th EOM Completed
5 to 3 Part (III) Capability Migration Plan Completed
ROM Completed
Realignment of Maintenance
Realignment of Supply
LCE Realignment
ROS/ROM Baseline Implementation Completed
ROS Phase I
ROS Phase II
ROS Completed
LCE Realignment Completed
MAGTF Distribution FOC (Tied to Block II (TBD)
Distribution Study Results
MAGTF Distribution IOC
MAGTF C2 Requirements Completed
LOG C2 Summit
LOG C2 IPT
LOG C2 SED Wk shop #2
Log Commander's Information Requirements Wk Shop #1
LOG C2 SED Wk shop #3
MAGTF C2 Requirements Fielded IOC
MAGTF C Requirements Fielded FOC
LOG OA & C2 OA Integration
DC CD Publishes Solution Planning Directive
DOTMLPF Cost Analysis
DOTMLPF Actions
-MAGTF Logistics Integration
-Airspeed (CPI)
-Naval Logistics Integration
-ROM (OAD-Study)
-MDC Study (Mar/Apr 06)
-MLG Standardization Study
-Band Width Study Feb/Mar 06)
-Intel Study
-Med Log ReOrg
Concept/Concept of Ops
Policy Review/Changes
Doctrine Review/Change
Doctrine Completed
Organization
Personnel
Organization & Personnel Finalized
Organization & Personnel Completed
Material
Training
Material & Training Finalized
Material & Training Completed
LOG MOD Input/Confirmation Events
"Past Events"
LCE Baseline (IOC) *MCBul 5400
Aug Troop List (CP)
LCE Phase I MCBul 5400
Summer 07 Rotation (FOC Baseline)
LCE Phase II MCBul 5400
Aug Troop List (CP)
Summer 08 Rotation (FOC
ROS Phase I
DIST WS #1
LOG C2 WS#1
LOG C2 WS#2
ROM WIPT #7
LOG C2 WS#3
ROM WIPT #8
DIST WS #2
ROM WIPT #9
ROS Phase II
DIST WS #3
Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May Jun Jul Aug Sep Oct Nov Dec Jan Feb Mar Apr May

Questions???

HEADQUARTERS MARINE CORPS
US MARINE CORPS
LOGISTICS MODERNIZATION
LOGISTICS MODERNIZATION OPERATIONS PLAN
(SOLUTION INITIATING DIRECTIVE)
SUBMITTED: VERSION 1.0 MAY 2005